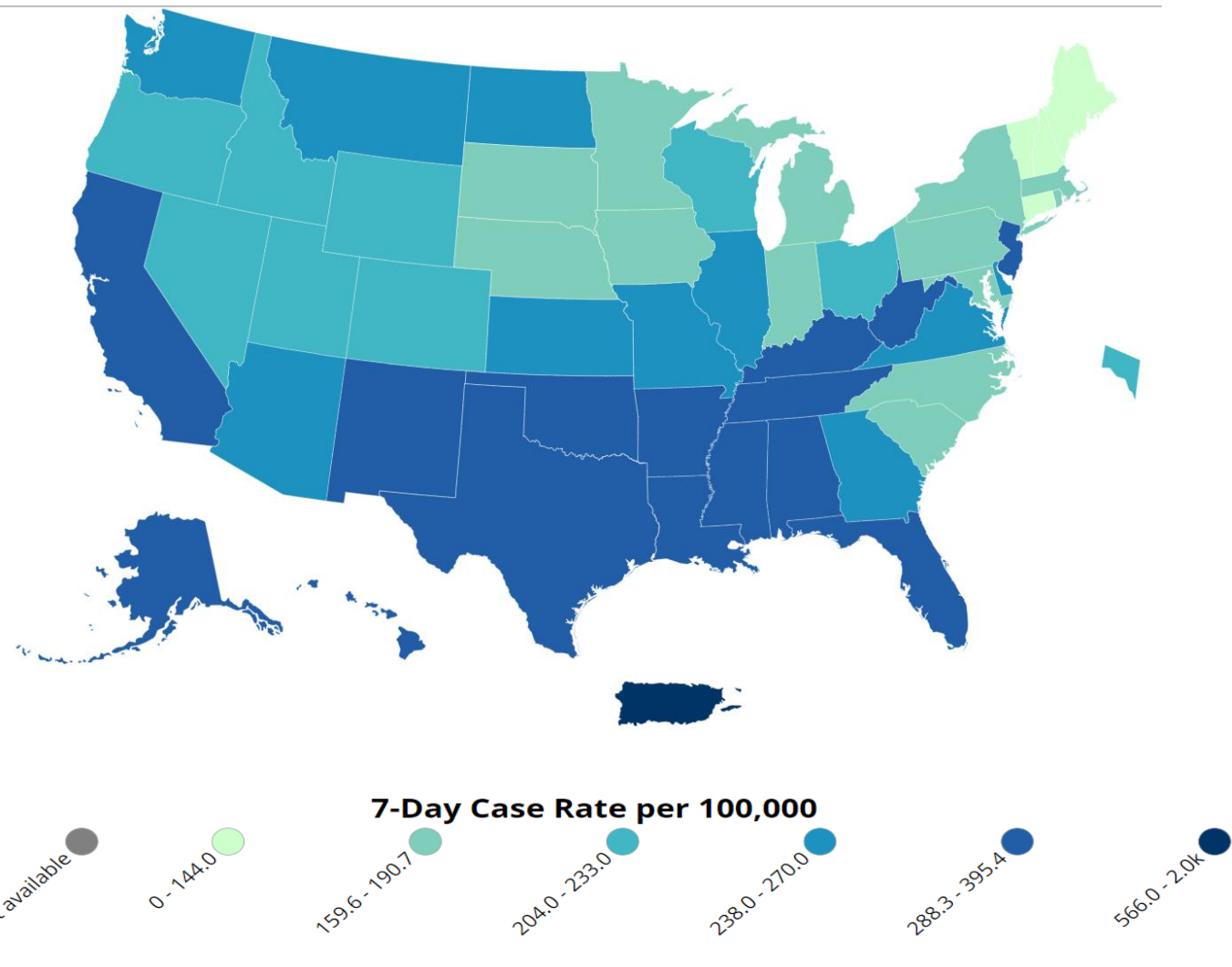

Virginia COVID-19 Surveillance Data Update

July 28, 2022



US COVID-19 7-Day Case Rate per 100,000, by State/Territory

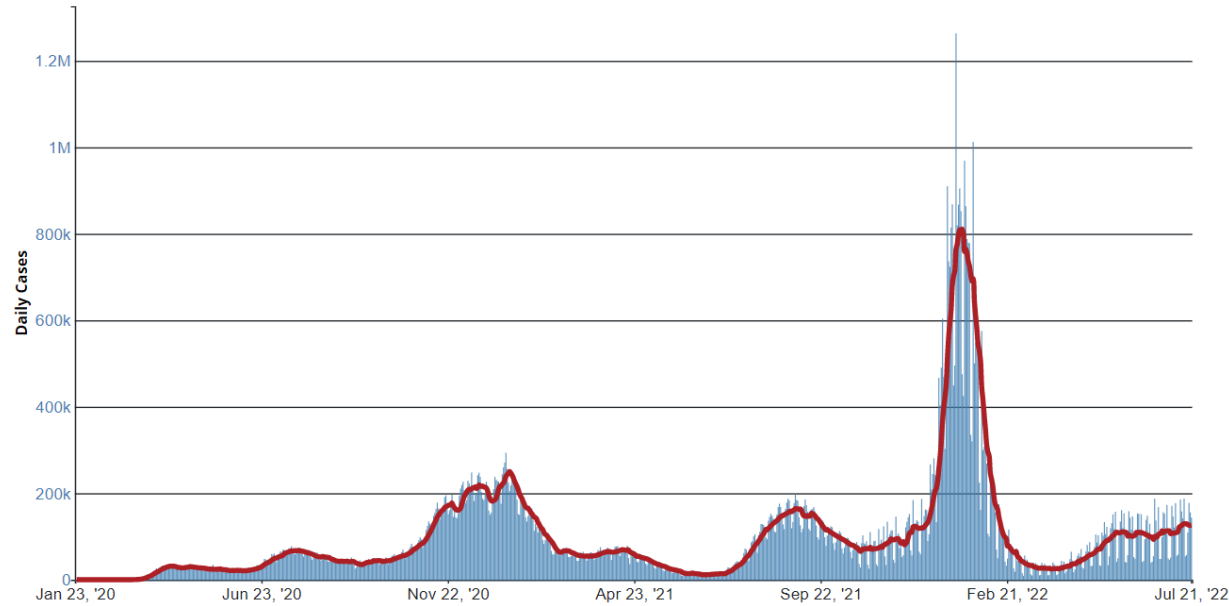


7 Day Case Rates per 100k

US and Virginia	
United States	265.9 (-2.6%)
Virginia	247.8 (-12.7%)
Virginia's Neighboring States	
Rates Lower than Virginia	
Maryland	184.6 (-0.75%)
North Carolina	185.9 (-33.4%)
District of Columbia	204 (+22.2%)
Rates Higher than Virginia	
Kentucky	347.9 (+29.8%)
West Virginia	317.7 (+4.5%)
Tennessee	288.3 (-1.3%)
Areas with the Highest Case Rates	
California	378.9 (-2.8%)
New York City	378.7 (-3.6%)
New Mexico	357.9 (+11.8%)

* Significant % change is likely due to a lag or sudden influx in data reporting

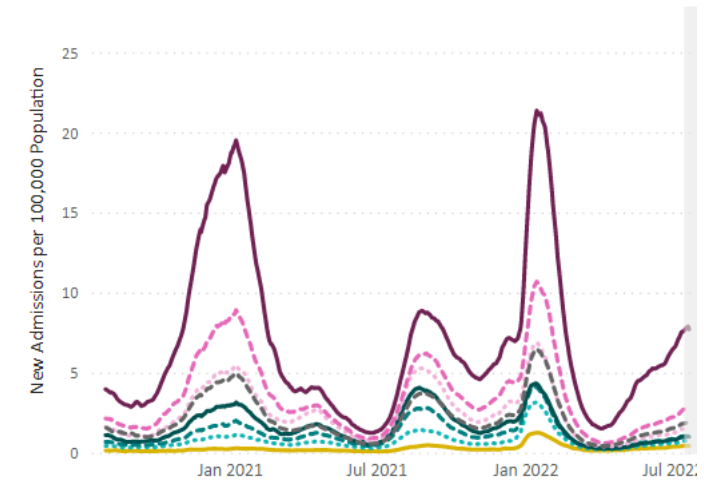
Daily Trends in Number of COVID-19 Cases, United States



* Compared to last week:

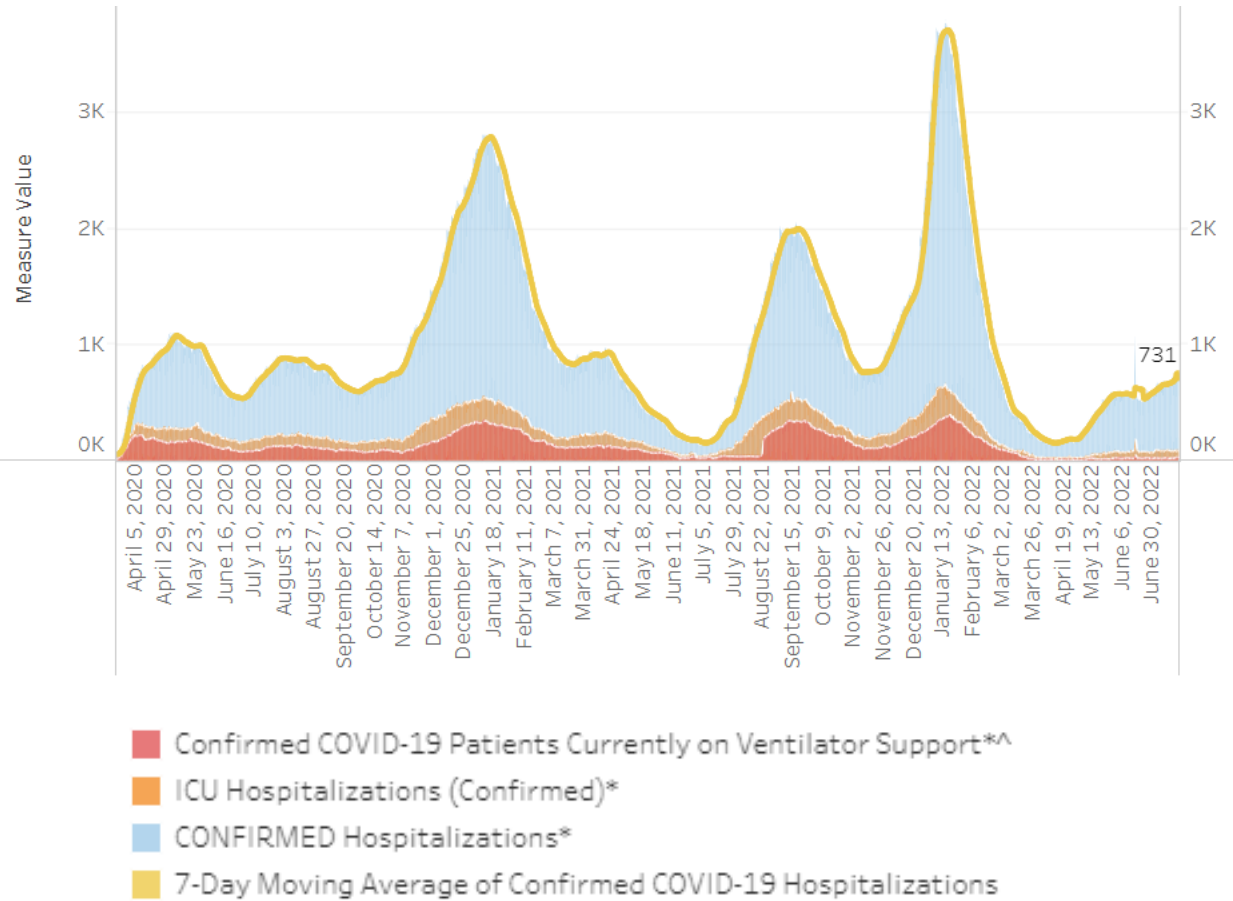
- **Cases decreased** to 126,128 per day (-1.5%)
- **Hospitalizations increased** to 6,181 per day (+2.4%)
- **Deaths decreased** to 355 per day (-6.1%)

New Admissions of Patients with COVID-19, United States, By Age Group



Age Group — 0 - 17 Years — 18 - 29 Years — 30 - 39 Years — 40 - 49 Years — 50 - 59 Years — 60 - 69 Years — 70+ Years — — All Ages

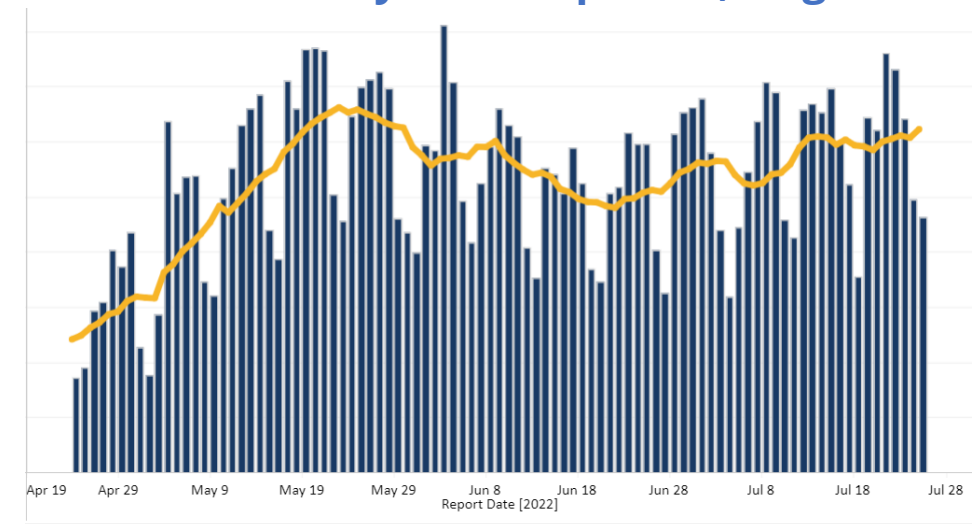
COVID-19 Hospitalization Trends, Virginia



* Compared to last week:

- **Case rates** per 100k **decreased** to 247.8 from 284 per day (-12.7%)
- **Hospitalizations increased** to 699 from 654 per day (+6.9%)
- **ICU hospitalizations decreased** to 95 from 97 (-2.1%) (confirmed; not 7-day MA)
- **7 Day moving average of new deaths** is 9

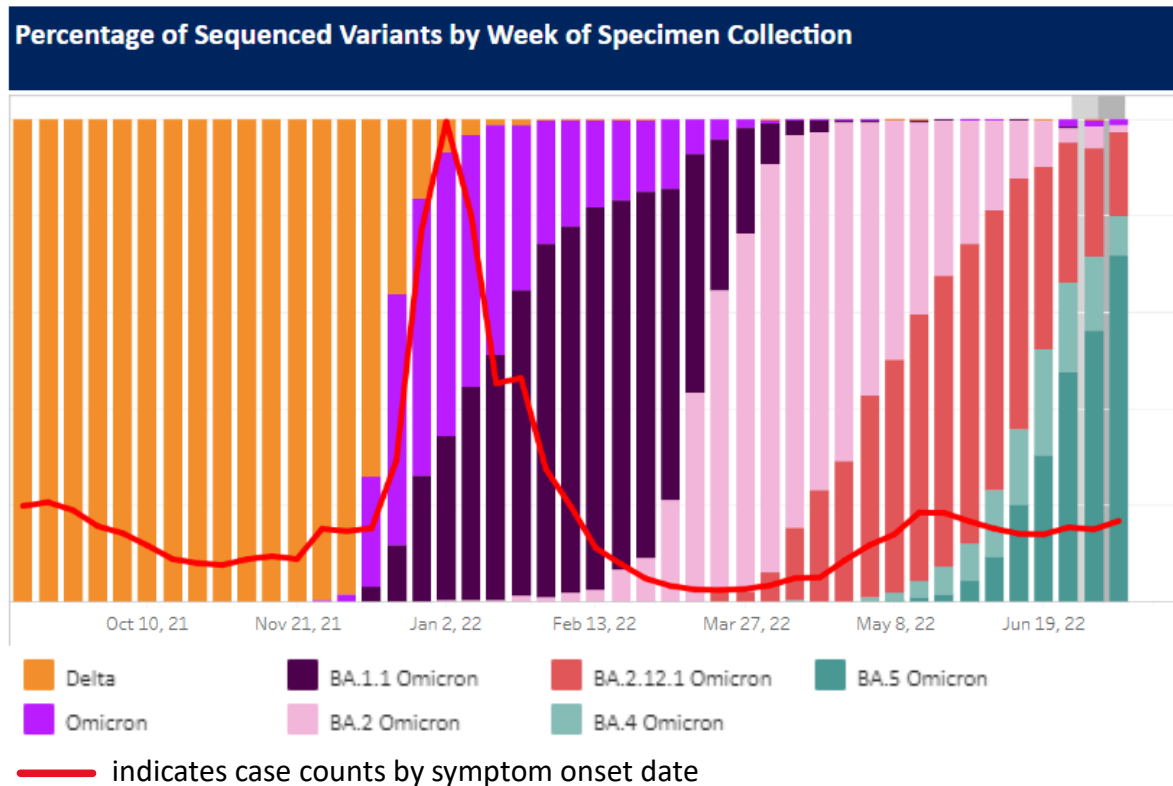
Total Cases by Date Reported, Virginia



Omicron Sublineages Update

Virginia: As of 7/16/22

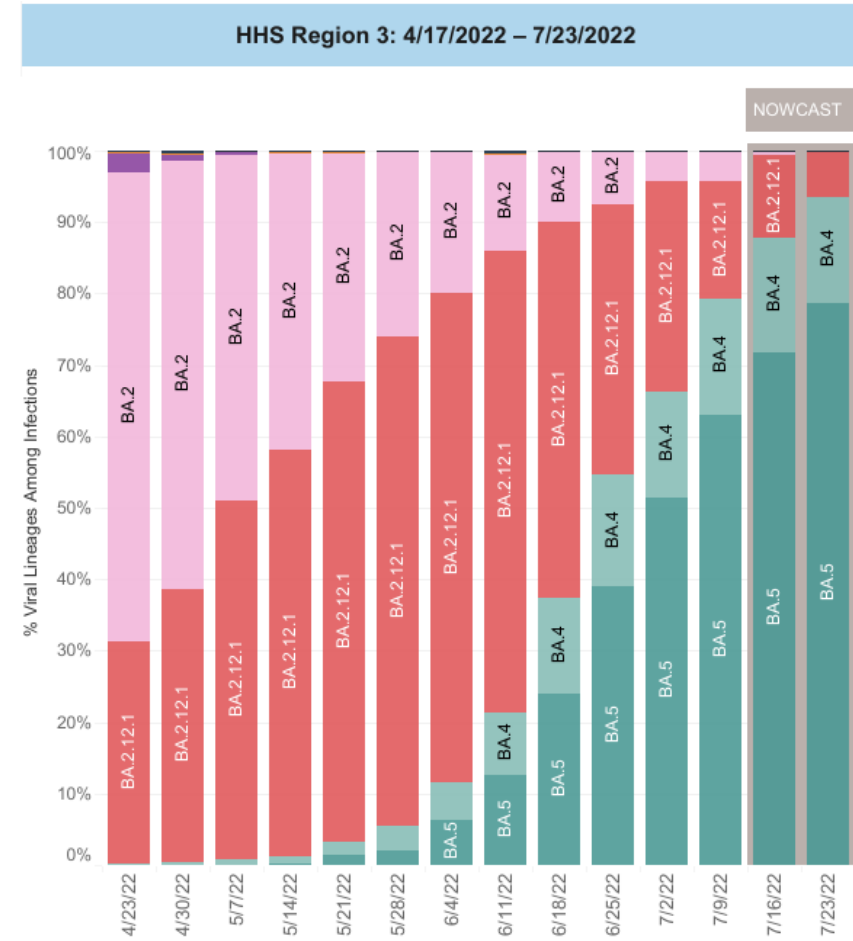
- BA.5 accounts for 71.62%
- BA.4 accounts for 8.11%
- BA.2.12.1 accounts for 17.57% of cases



Data is the percent of variant infections reported to VDH each week by laboratories that sequence COVID-19 and report to GISAID. Sequencing is performed on a small proportion of positive tests statewide.

HHS Region 3: As of 7/23/22

- BA.5 accounts for 78.7%
- BA.4 accounts for 14.8%
- BA.2.12.1 accounts for 6.3%



Data is from CDC's national genomic surveillance system which classifies variants and includes Nowcast estimates, which are modeled projections.

Metrics date: 7/24/2022

New cases per 100k within the last 7 days

% Positivity 7-day moving average

COVID-like ED visits rate per 100k

Central

262.2



Eastern

228.3



Far Southwest

370.7



Near Southwest

256.5



Northern

246.9



Northwest

228.5



23.5%



23.8%



26.2%



27.6%



20.9%



20.8%



19.7



14.0



18.8



17.9



8.3



11.7



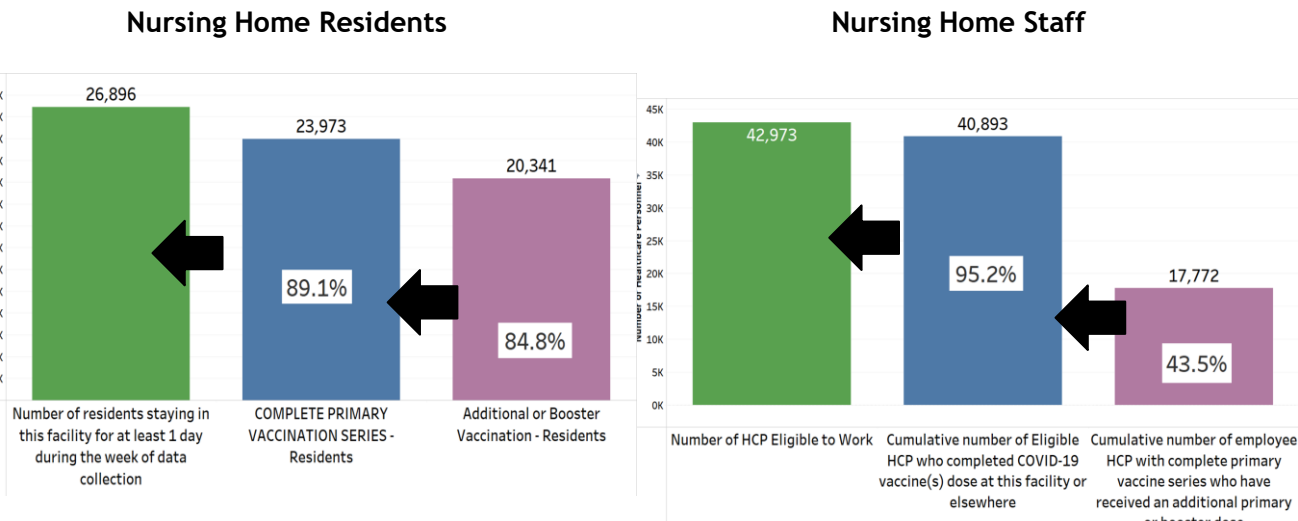
Burden	Level 0	Level 1	Level 2	Level 3	Level 4
New Cases	<10	10-49		50-100	>100
% Positivity	<3	3-5	5-8	8-10	>10
CLI ED Visits	<4		4-5.9		≥6

Symbol	Trend
↑	Increasing
↓	Decreasing
○	Fluctuating

Key Trends

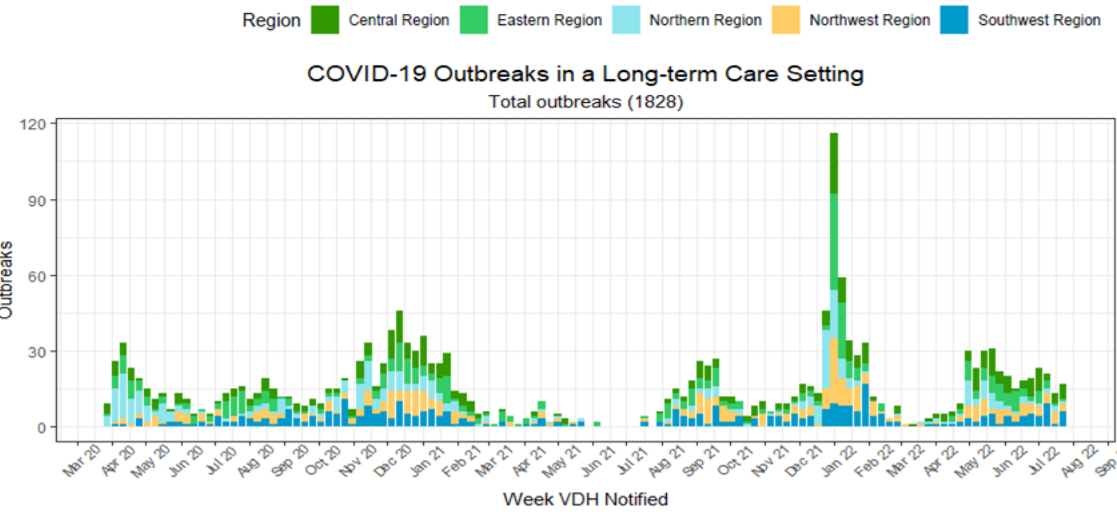
- There were 95 LTCF COVID-19 outbreaks reported in the past 30 days: 12 in Eastern, 29 in Central, 22 in Northwest, 7 in Northern, and 25 in Southwest (see figure top right).
- The number of reported nursing home resident and staff cases remains elevated (see figure bottom right).
 - For the reporting week ending July 24, 2022, 273 resident and 262 staff cases were reported to NHSN. Data for this reporting week are preliminary.
- For reporting week ending July 17, 2022, data reported by 281 nursing homes showed 89% of residents were fully vaccinated; data reported by 281 nursing homes showed 95% of staff were fully vaccinated (see figures bottom left).
 - Of the nursing home residents eligible to receive an additional dose or booster, **85% of residents have received an additional dose or booster** of COVID-19 vaccine.
 - Of the nursing home healthcare personnel eligible to receive an additional dose or booster, **44% of staff have received an additional dose or booster** of COVID-19 vaccine.

COVID-19 Booster Vaccination in Virginia Nursing Homes



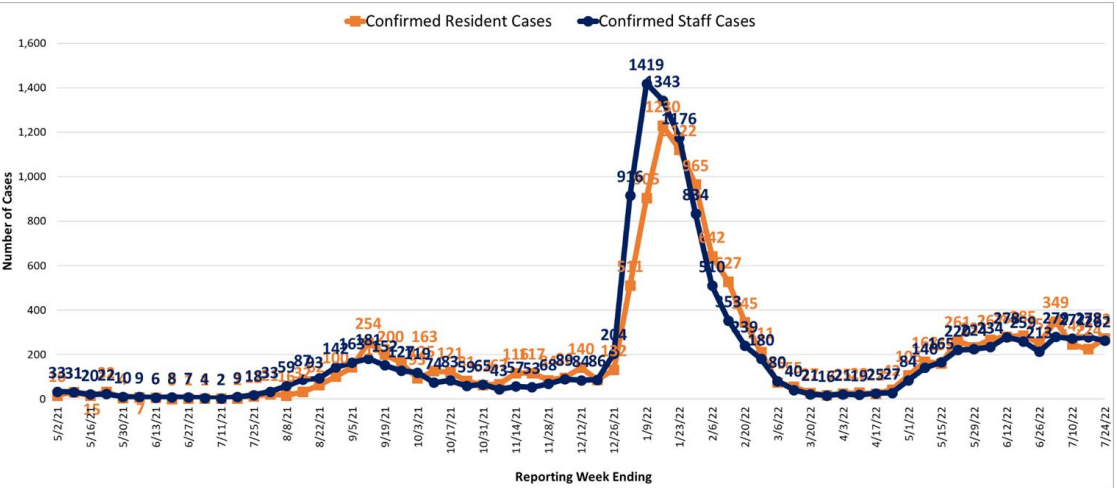
Data were reported by 286 Virginia nursing homes into the National Healthcare Safety Network (NHSN) as of 7/25/2022 and are subject to change, including booster eligibility per [updated vaccine guidance](#). In Virginia, 281 nursing homes reported resident vaccination data for reporting week ending 7/17/2022; 281 nursing homes reported staff vaccination data for reporting week ending 7/17/2022. For staff type definitions, refer to [NHSN Table of Instructions](#).

Number and Region of LTCF COVID-19 Outbreaks by Date VDH Notified

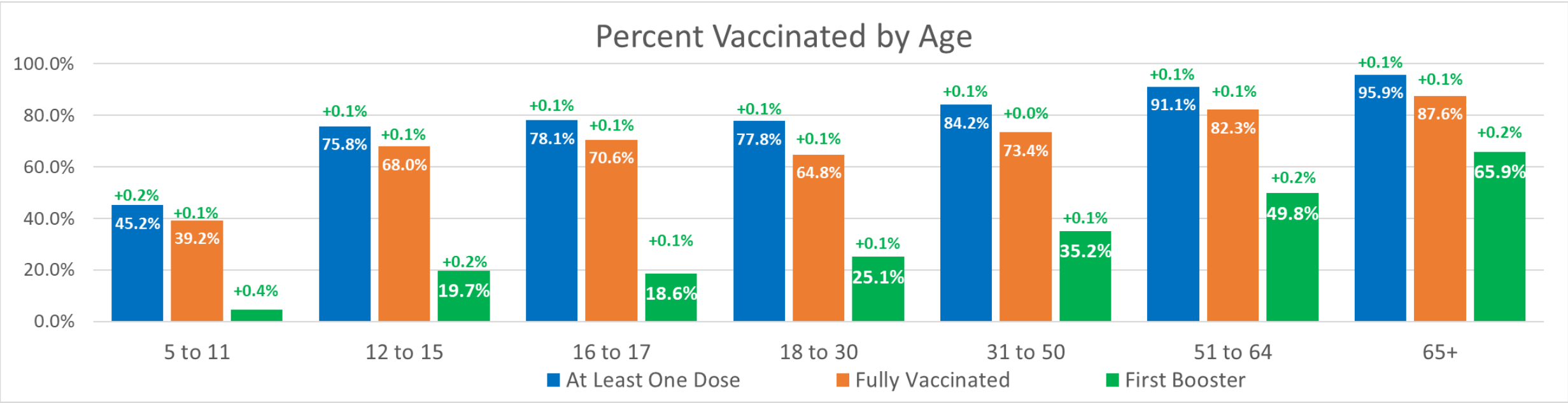


Outbreaks reported from nursing homes, assisted living facilities, and multicare facilities to VDH with a confirmed or suspected etiologic agent of SARS-CoV-2. Data are from the Virginia Outbreak Surveillance System as of 7/25/2022; data are retrospectively updated and subject to change.

Nursing Home Resident and Staff COVID-19 Cases



Data are from NHSN as of 7/25/2022 and are subject to change. For reporting information, please refer to the NHSN data collection forms: [residents](#), [staff](#).

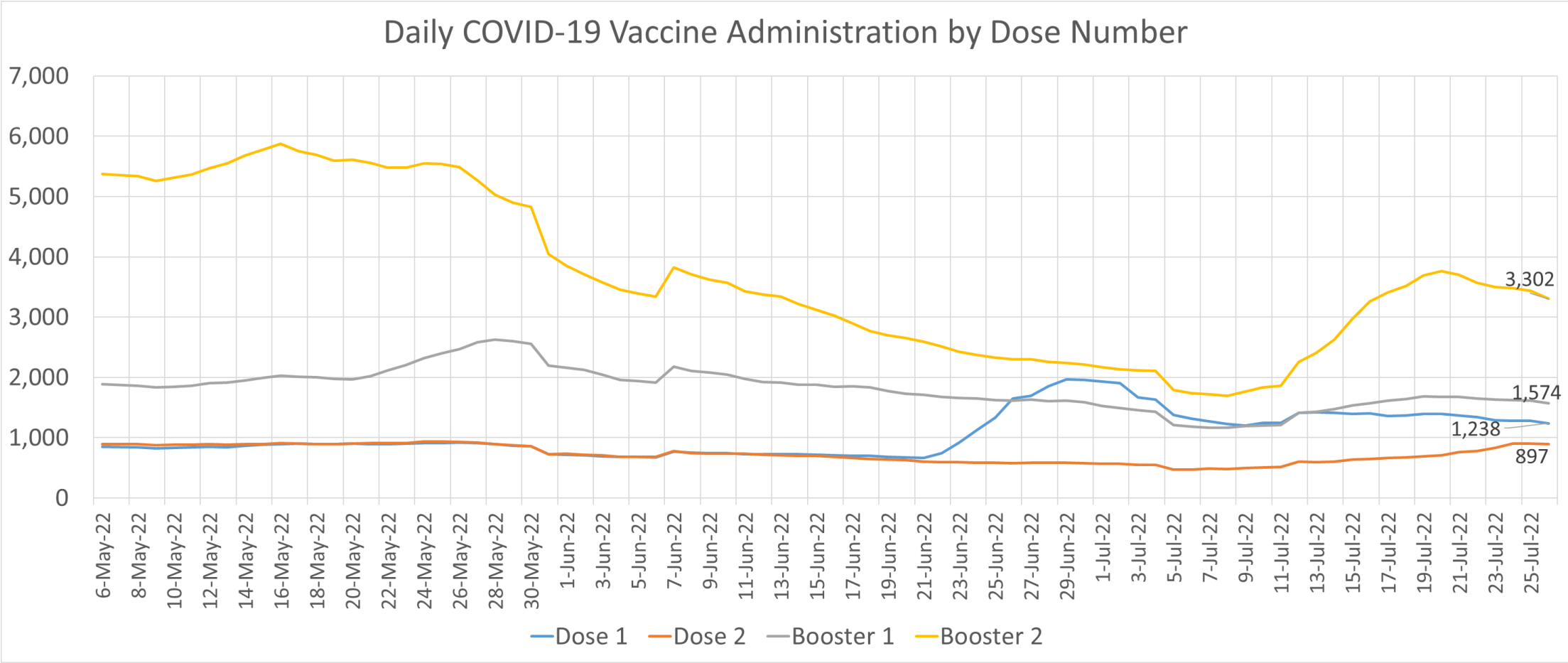


Virginia Vaccination by Age

- ✓ **71.9% (+0.1%)** of the Total Population is Fully Vaccinated
- ✓ **24.7% (+0.3%)** of the Total Population is “Up-to-Date” with their Vaccinations
- ✓ **51.9% (+0.1%)** of the Eligible Population received a First Booster
- ✓ **33.4% (+1.3%)** of the Eligible 50+ Population received a Second Booster
- ✓ For 5 to 11 year olds, Virginia is in the top 10 nationally for vaccinations, and there have been **34,131** Boosters Administered
- Green percent represents percent increase from two weeks prior

Vaccine Administrations by Dose Type

- There has been a noticeable uptick in 2nd boosters since the 4th of July Holiday Period



Federal doses not included in this number
Source: [COVID-19 Vaccine Summary – Coronavirus \(virginia.gov\)](#)

Vaccination Update for Young Children: Pfizer 6mo to 4 year old and Moderna 6mo to 5 year old Vaccine

Updated 7/27/22

- Virginia is 6th in under 5 y.o. vaccinations nationally among States reporting (25 States reporting on their Dashboards)
- There have been 27,977 First doses administered to the under 5 population since June 20th, 2022
- The total 6 month to 4 year old First Dose Vaccination Rate for Virginia is 6.2%
- In locations that administered both Moderna and Pfizer, Moderna uptake was 2.1x higher

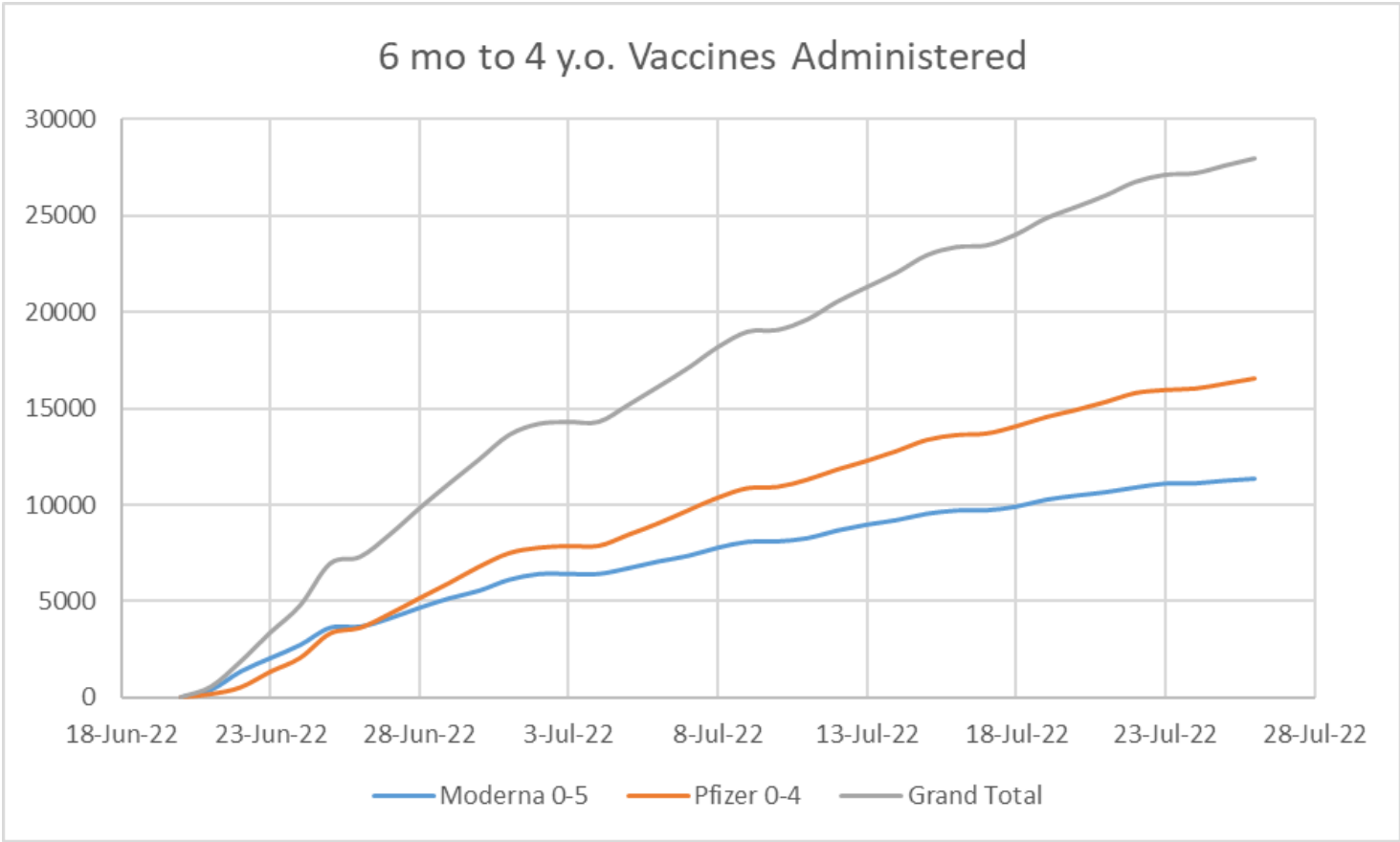
Vaccination Rate by Age

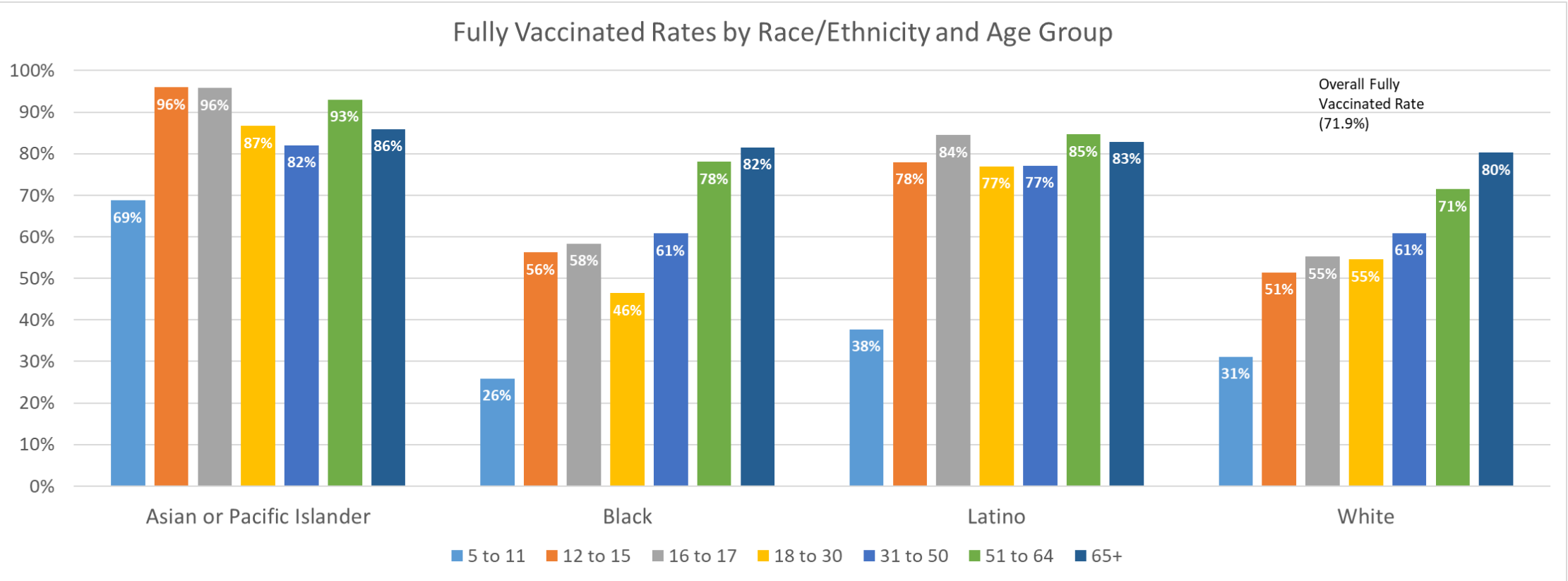
Age	1st dose rate
0	4.7%
1	5.1%
2	6.3%
3	6.8%
4	7.0%
5	47.4%

**5 year old includes Pfizer 5 to 11 Vaccine since Nov 2021*

Regional Vax Rate for 6 mo. to 4 year olds

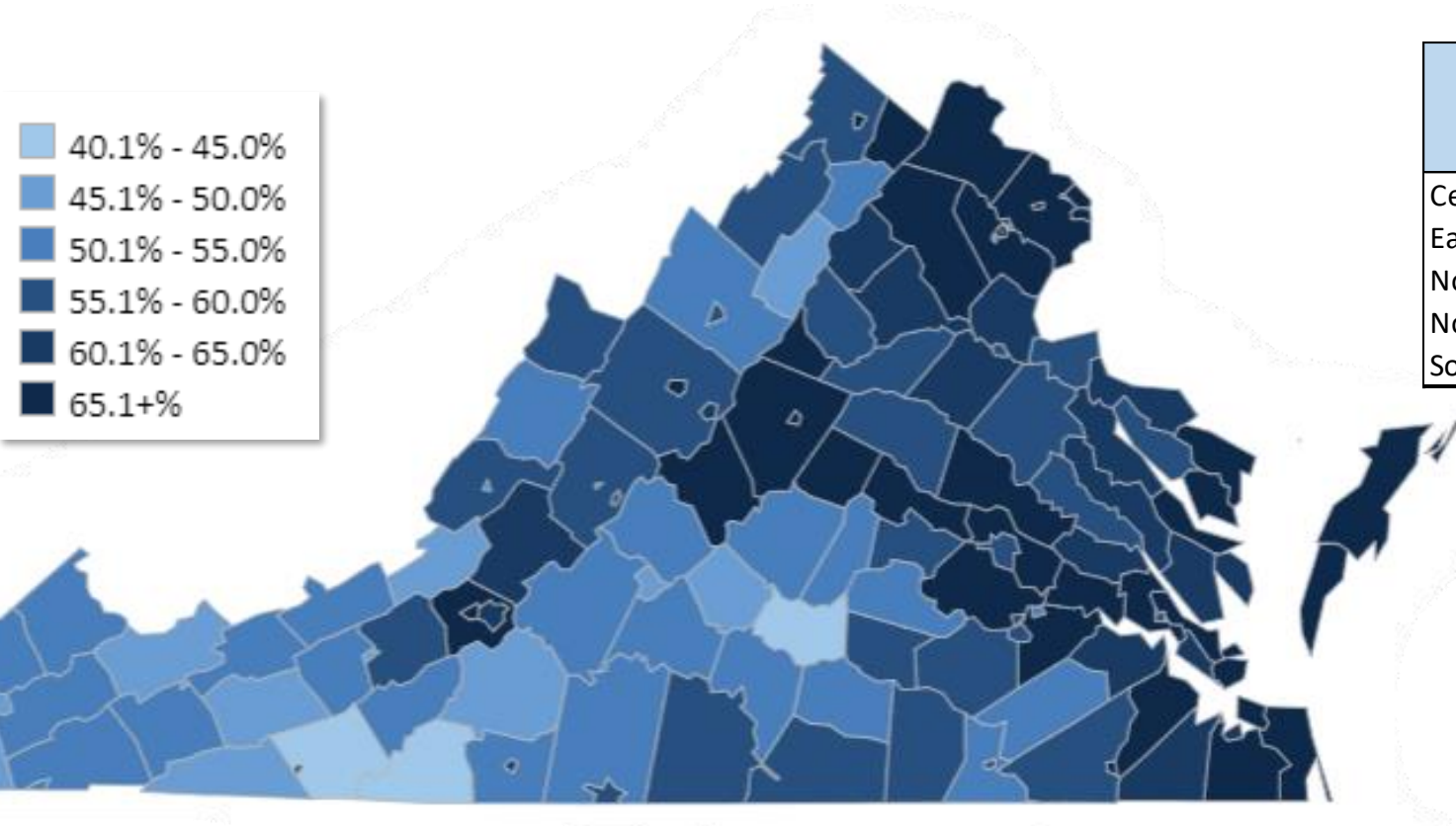
Region	1st Dose Rate
Central	5.0%
Eastern	2.0%
Northern	9.4%
Northwest	4.3%
Southwest	1.6%
Grand Total	6.2%





Change in Fully Vaccinated	5 to 11	12 to 15	16 to 17	18 to 30	31 to 50	51 to 64	65+
Asian or Pacific Islander	0.4%	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%
Black	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Latino	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	0.2%
White	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%

Percent of the Total Population Fully Vaccinated by Locality



Vaccination Rates by Region

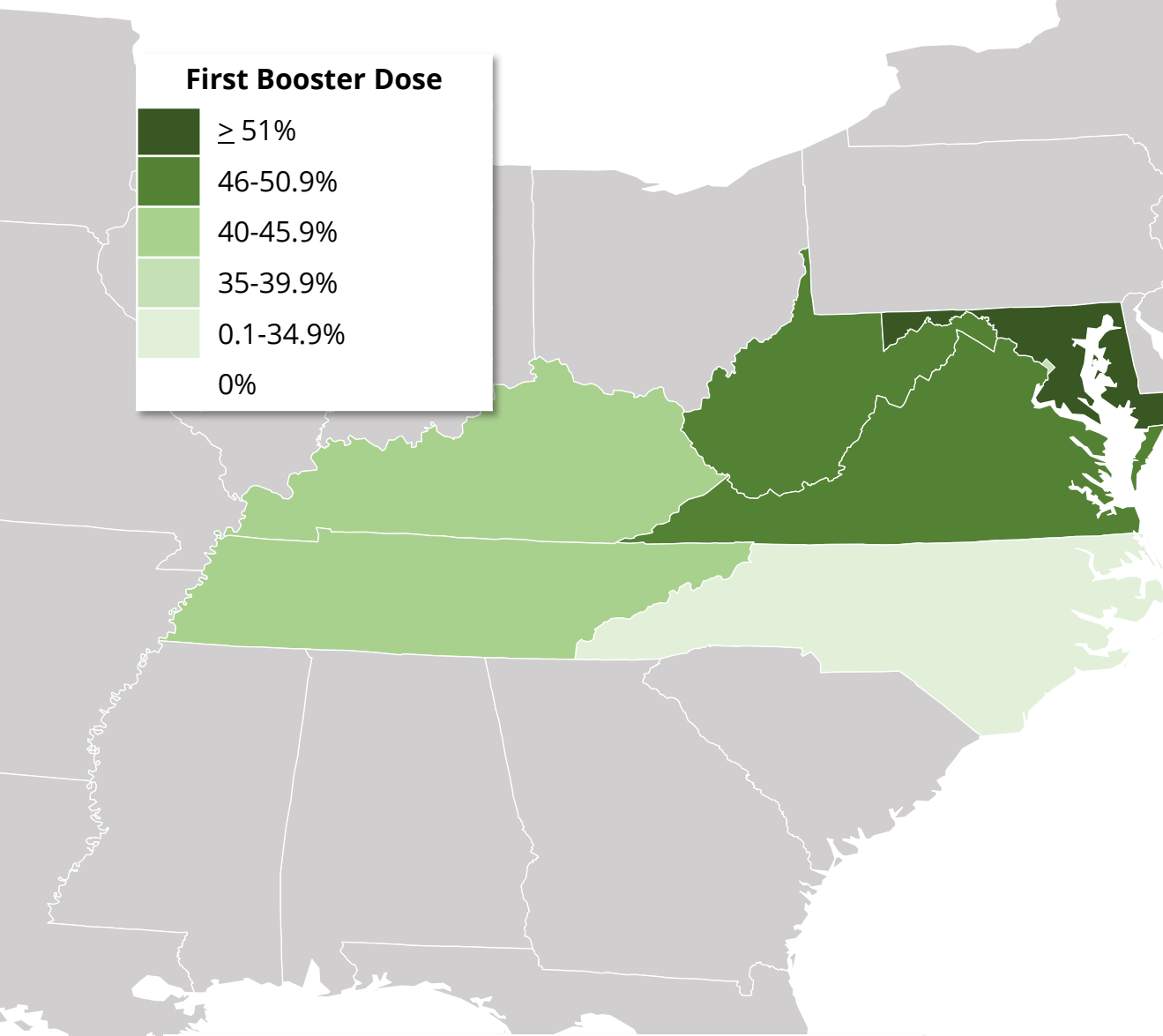
Health Region	Fully Vaccinated	Change	Up-to-Date
Central	63.8%	0.1%	38.7%
Eastern	59.8%	0.1%	33.7%
Northern	74.9%	0.1%	48.8%
Northwest	61.5%	0.1%	36.9%
Southwest	54.1%	0.0%	30.2%

- 16 out of 133 Localities have a fully vaccinated rate below 50%
- 18 out of 133 Localities have a fully vaccinated rate above 70%
- There is a disparity across Urban and Rural areas by Age Groups, with Rural Adolescents the Lowest Vaccinated group

2013 SRHP Isserman Classification

Change in Fully Vax	5 to 11	12 to 17	16 to 17	18 to 30	31 to 50	51 to 64	65+	Total
Mixed Urban	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%
Urban	0.3%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.1%
Mixed Rural	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Rural	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Grand Total	0.3%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.1%

Federal doses not included in this number
Source: [COVID-19 Vaccine Summary – Coronavirus \(virginia.gov\)](#)



	One Dose*	Fully Vax*	First Booster**
Nationwide	78.7%	67.2%	48.2%
D.C.	95.0%	76.9%	43.2%
Kentucky	67.0%	58.0%	45.7%
Maryland	88.1%	76.7%	53.7%
North Carolina	86.4%	62.9%	28.2%
Tennessee	62.9%	55.1%	45.8%
Virginia**	87.2%	74.0%	50.4%
West Virginia	65.8%	58.3%	47.1%

*Total population, includes out-of-state vaccinations
**Percent of fully vaccinated people with a booster dose
***Differs from previous slide because all vaccination sources are included